Applied Chemistry, Creative Solutions

Solutia Inc.
575 Maryville Centre Drive
St. Louis, Missouri 63141

P.O. Box 66760
St. Louis, Missouri 63166-6760
Tel 314-674-1000

March 27, 2000

Mr. Michael McAteer
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Re: Sauget Sites Area I January 21, 1999 Administrative Order by Consent June 25, 1999 Support Sampling Plan as approved by letter dated September 9, 1999

- Follow-up to March 17, 2000 Draft Developed Area Sampling Plan
- Proposed Residential Sampling locations

Dear Mr. McAteer,

Attached for your review and comment is additional information on the March 17, 2000 submittal of the Draft Developed Area Sampling Plan ("DASP"). Enclosed are proposed residential sampling locations for the DASP, consistent with the March 17 submittal. The March 17 submittal was pursuant to the following sections of the June 25, 1999 Support Sampling Plan ("SSP"): 7.0 "Soil Sampling Plan"; 7.1 "Extent of Contamination in Undeveloped Area Surface Soils"; and 7.2 "Extent of Contamination in Developed Area Surface Soil Samples".

The enclosed plan shows 31 residences associated with the seven transects as possible sampling locations for the 20 residential samples required for the DASP. The requirements consist of three sampling locations per transect for transects 1 through 6 and two sampling locations for transect 7. We will sample the first residences in each transect for which we receive agreement from the landowner until the required number of samples have been collected.

Per your request, we are also assimilating the results from the background soil locations (3) for your review and use in evaluation of the DASP. These results will be sent to you as soon as available.

Sincerely,

D. M. Light
Manager, Remedial Projects
Sauget Sites Area I Project Coordinator

Sauget Sites Area I Investigation
Developed Area Soil Sampling Plan
Sample Location Notes

1. Field Sampling Plan Requirements consist of three sampling locations per transect for Transects 1 through 6, and two sampling locations for Transect 7.
2. No multi-family flats or businesses were considered for sampling locations.
3. No absentee landowners were considered for sampling locations.
4. Sampling activities targeted to begin week of April 3 in order to complete by April 30.
5. Access agreement will be needed for Illinois Quail Run LLC (Pheasant Run Manufactured Home Community) for sampling along Transect 7

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DEVELOPED AREA SOIL SAMPLING PLAN

- **Residential Soil Sample Locations**

Transect	Sample Location	Number of Samples	Sample Location Rationale
Transect 1	S-1 to S-3	2	Highest Copper, Zinc, VOC and PCB concentrations
	S-5	1	Highest Pesticide concentration
Transect 2	S-1	1	Highest Copper and Zinc concentrations
	S-3	1	Highest Pesticide concentrations
	S-5 to S-6	1	Highest VOC, SVOC and PCB concentrations
Transect 3	S-2	1	Highest Pesticide concentration
	S-3 to S-4	1	Highest Copper, VOC and PCB concentrations
	S-7	1	Highest Zinc and SVOC concentrations
Transect 4	S-2	1	Highest Copper and Pesticide concentrations
	S-4	1	Highest VOC concentration
	S-7	1	Highest Zinc, SVOC and PCB concentrations
Transect 5	S-6	1	Highest Copper and Zinc concentrations
	S-4 to S-5	1	Highest SVOC and Pesticide concentrations
	S-1	1	Highest VOC and PCB concentrations
Transect 6	S-1	1	Highest Zinc and Pesticide concentration
	S-2	1	Highest PCB concentration
	S-3	1	Highest Copper and SVOC concentrations
Transect 7	S-1 to S-2	1	Highest Copper, Zinc, VOC and PCB concentrations
	S-7	1	Highest SVOC and Pesticide concentrations
Total number of samples		20	

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Sauget Site Area I Investigation
Developed Area Soil Sampling
Proposed Sampling Location Land Owners

Parcel No.	Owner Name	Address	City	State	Zip	Property Address	Undeveloped Transect
01-26.0-401-001	***CRONIN JAMES & SHIRLEY***	***3102 MISSISSIPPI AVE***	***CAHOKIA***	***IL***	***62206***	***3102 MISSISSIPPI AVE***	***T1-A***
01-26.0-401-002	***SAUGET RICHARD***	***1405 NICKELL ST***	***SAUGET***	***IL***	***62206***	***3104 MISSISSIPPI AVE***	***T1-B***
01-26.0-401-006	***HANKINS JAMES***	***759 W 38TH ST***	***E ST LOUIS***	***IL***	***62206***	***3110 MISSISSIPPI AVE***	***T1-C***
01-35.0-201-008	WILKENSEN LLOYD L	103 WALNUT ST	CAHOKIA	IL	62206	103 WALNUT ST	T2-A
01-35.0-201-010	CARTER ALAN	107 WALNUT	CAHOKIA	IL	62206	107 WALNUT ST	T2-B
01-35.0-201-011	VANDEVER LEONARD & DEBORAI	109 WALNUT	CAHOKIA	IL	62206	109 WALNUT ST	T2-C
01-35.0-201-015	WEBB SARAH LOUISE ETAL	117 WALNUT	CAHOKIA	IL	62206	117 WALNUT	T2-D
01-35.0-201-016	PHILLIPS ROBT L	3301 FALLING SPRINGS RD	CAHOKIA	IL	62206	3301 FALLING SPRINGS RD	T2-E
01-35.0-103-003	CLEGGETT RUTH V	11 DAVID ST	CAHOKIA	IL	62206	11 DAVID ST	T3-A
01-35.0-103-005	CROSSIN DANNY R & BECKY A	19 DAVID ST	CAHOKIA	IL	62206	19 DAVID ST	T3-B
01-35.0-103-016	SCHMIDT LELA	61 DAVID ST	CAHOKIA	IL	62206	61 DAVID ST	T3-C
01-35.0-106-003	SHEPARD LOUIS & PAULYNE	3325 BARBER ST	CAHOKIA	IL	62206	3325 BARBER ST	T3-D
01-35.0-205-005	PRICE LARRY & SHARON	109 EDWARD ST	CAHOKIA	IL	62206	109 EDWARD ST	T4-A
01-35.0-205-009	BLASDEL BILL W & IRENE	125 EDWARD	CAHOKIA	IL	62206	125 EDWARD ST	T4-B
01-35.0-212-033	MCELLIGOTT ROLAND P & DIANA	3516 FALLING SPRINGS RD	CAHOKIA	IL	62206	3516 FALLING SPRINGS RD	T4-C
01-35.0-400-001	MC BRIAN FRANK R & MYRNA I	3520 FALLING SPRINGS RD	CAHOKIA	IL	62206	3520 FALLING SPRINGS RD	T4-D
01-35.0-105-005	CUNNINGHAM BRADLEY A	8 SCHOOL ST	CAHOKIA	IL	62206	8 SCHOOL ST	T5-A
01-35.0-105-007	GODDARD FRANKLIN	12 SCHOOL ST	CAHOKIA	IL	62206	12 SCHOOL ST	T5-B
01-35.0-105-009	KIRST PAULINE	16 SCHOOL ST	CAHOKIA	IL	62206	16 SCHOOL ST	T5-C
01-35.0-105-031	BEASLEY WOODROW & MAXINE	3420 BARBER ST	CAHOKIA	IL	62206	3420 BARBER ST	T5-D
01-35.0-106-012	OESTRICKER RONALD F & DEBOF	3415 BARBER ST	CAHOKIA	IL	62206	3415 BARBER ST	T5-E
01-35.0-311-006	BRINKMAN MI CHAEL & CAROL	817 FALLING SPRINGS RD	CAHOKIA	IL	62206	817 FALLING SPR RD	T6-A
01-35.0-311-005	STEWART SCOTT	819 FALLING SPRINGS RD	CAHOKIA	IL	62206-1206	819 FALLING SPRINGS RD	T6-B
01-35.0-310-006	CROCKETT MICHAEL & LINDA	100 JEROME LN	CAHOKIA	IL	62206	100 JEROME LN	T6-C
01-35.0-309-001	THOMAS BILLY E & TERRY C	100 KINDER ST	CAHOKIA	IL	62206	100 KINDER ST	T6-D
01-35.0-309-004	UNDERWOOD RAY	118 KINDER DR	CAHOKIA	IL	62206	118 KINDER DR	T6-E
01-35.0-309-005	UNDERWOOD RAY	120 KINDER	CAHOKIA	IL	62206	120 KINDER	T6-F
01-35.0-305-037	ILLINOIS QUAIL RUN LLC	6 VISTA BROOK	ST LOUIS	MO	63124	88 CIRCLE CREEK DR	T7-A
01-35.0-305-037	ILLINOIS QUAIL RUN LLC	6 VISTA BROOK	ST LOUIS	MO	63124	89 CIRCLE CREEK DR	T7-B
01-35.0-305-037	ILLINOIS QUAIL RUN LLC	6 VISTA BROOK	ST LOUIS	MO	63124	15 CIRCLE CREEK DR	T7-C
01-35.0-305-037	ILLINOIS QUAIL RUN LLC	6 VISTA BROOK	ST LOUIS	MO	63124	17 CIRCLE CREEK DR	T7-D

Notes:
Bold/Italics: Access Agreement Previously Obtained and On File

Updated: 3/23/00 6:26 PM

Transect 1

CS-B, West Bank

	S-1		S-2		S-3		S-4		S-5		S-6		S-7	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	150	21	**230**	13	**230**	24	160	6.8	130	4.0	86	14	81	17
Zinc, ppm	**1400**	250	340	43	390	80	280	34	270	28	180	45	250	63
VOCs, ppb	396.8	___	**496**	2.4	6.2	4.9	39	7.4	17.8	2.8	___	___	___	___
SVOCs, ppb	___	___	___	___	___	___	___	___	___	___	___	69	37	**200**
Pesticides, ppb	7.1	___	2706	___	3308	3.6	6808	0.1	**7408**	2.2	3 4	___	4.0	0.3
PCBs, ppb	84	___	109	19	**231**	___	85	___	111.8	___	123	12	100	12

Transect 2

CS-B, East Bank

	S-1		S-2		S-3		S-4		S-5		S-6	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	140	8.0	77	7.6	87	5.9	95	16	69	9.3	87	13
Zinc, ppm	310	37	190	34	250	30	270	57	210	39	290	51
VOCs, ppb	4.8	——	242	——	474	——	310	——	475	——	——	——
SVOCs, ppb	——	160	——	64	2.8	62	——	——	——	120	892	——
Pesticides, ppb	11.5	——	1.7	3.4	13,102	4.5	6.1	——	3003	——	3106	——
PCBs, ppb	130	——	112	——	52	——	17	——	164	——	64	——

Transect 3

CS-C, West Bank

	S-1		S-2		S-3		S-4		S-5		S-6		S-7	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	55	15	65	19	75	9.1	77	14	79	2.8	48	19	75	10
Zinc, ppm	160	260	240	65	220	40	300	53	410	24	250	82	460	45
VOCs, ppb	———	———	305	———	836	———	489.3	———	597.5	204	630.9	———	460	———
SVOCs, ppb	49	———	———	53	———	———	92	———	140	120	98	———	8860	50
Pesticides, ppb	1800	———	13,000	———	1.9	———	8441	———	5.8	1606	———	———	5.9	———
PCBs, ppb	97	———	116	———	58	9.5	90	———	88	———	30	———	———	———

Transect 4

CS-C, East Bank

	S-1		S-2		S-3		S-4		S-5		S-6		S-7	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	69	12	**180**	19	27	4.4	32	7.6	48	6.3	39	9.5	60	30
Zinc, ppm	240	44	290	95	77	29	82	40	120	35	140	39	**550**	190
VOCs, ppb	—	7.2	—	—	—	—	—	**91.7**	—	—	—	—	—	—
SVOCs, ppb	490	8,700	58,609	379	15,896	1216	1180	587	8008	173	1510	303	3703	110,844
Pesticides, ppb	2.8	1.5	**79**	1.3	14.7	5.9	6.8	1.8	27	3.1	14.0	—	58	11.2
PCBs, ppb	46	—	—	—	—	10	—	11	—	—	—	39	9.8	**53.9**

Transect 5

CS-C, West Bank

	S-1		S-2		S-3		S-4		S-5		S-6	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	53	15	42	6.7	44	16	38	5.8	41	5.7	**87**	7.3
Zinc, ppm	230	56	230	35	240	55	230	31	240	32	**980**	38
VOCs, ppb	**494**	——	189	——	174	——	204	155.6	——	——	——	——
SVOCs, ppb	——	——	——	——	——	120	1068	140	**1086**	120	1731	880
Pesticides, ppb	4100	5200	2502	——	2203	2900	**11,201**	——	5100	——	6504	——
PCBs, ppb	**165**	——	95	——	137	——	59	——	19.9	——	87.4	——

Transect 6

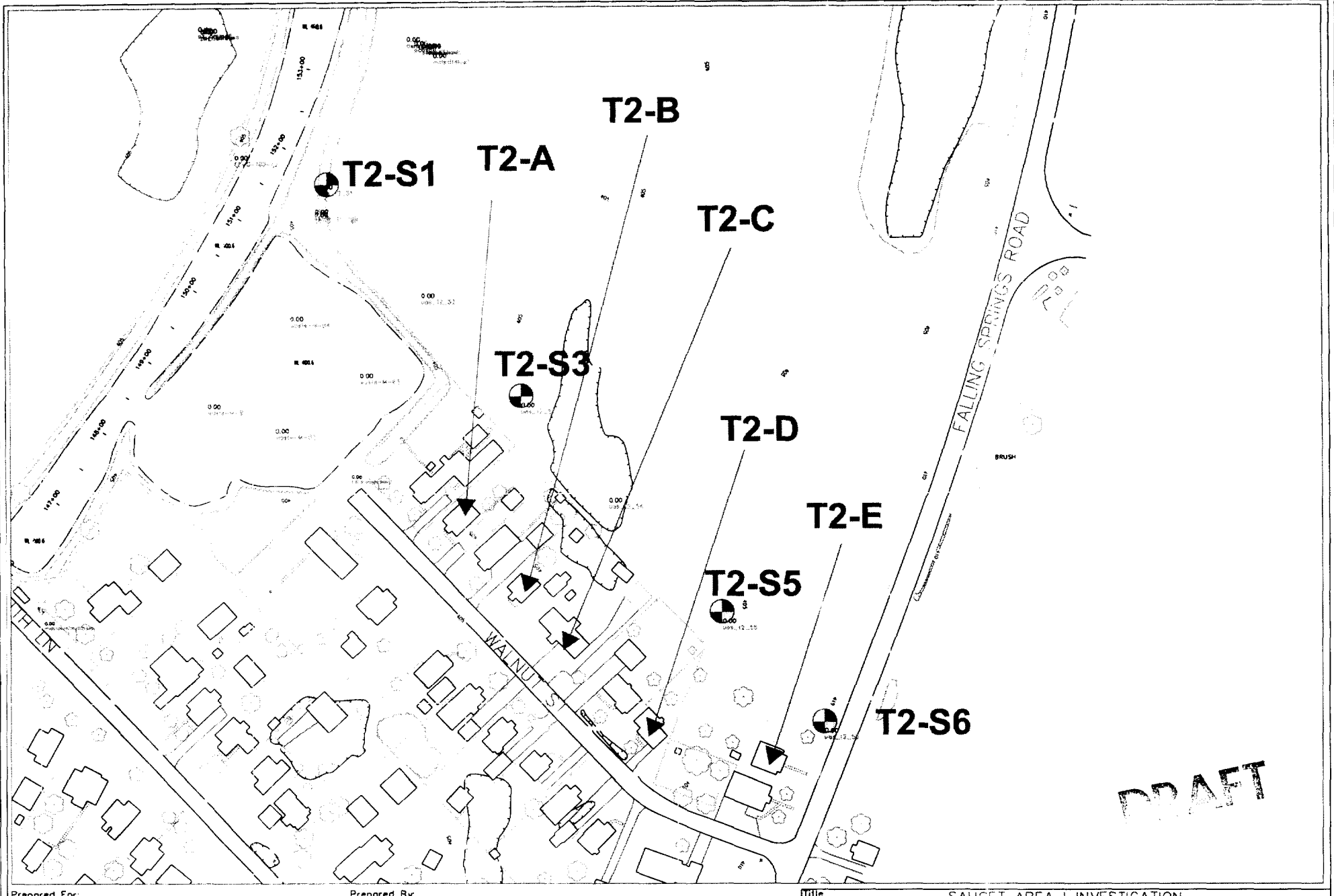
CS-E, East Bank

	S-1		S-2		S-3		S-4		S-5	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	31	12	19	14	18	**35**	21	8.6	29	6.6
Zinc, ppm	**160**	45	82	89	90	**160**	99	130	120	98
VOCs, ppb	——	——	——	3.5	——	2.8	4.4	——	——	**25**
SVOCs, ppb	123	——	1955	275	718	**14,138**	1091	2496	1947	2083
Pesticides, ppb	**4500**	3000	154.9	——	4.6	1.4	167.3	4.5	5.6	——
PCBs, ppb	21	——	**385**	8.2	19.1	——	61.2	7.8	——	4.3

Transect 7

CS-E, West Bank

	S-1		S-2		S-3		S-4		S-5		S-6		S-7	
	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'	0-.5'	3-6'
Copper, ppm	**130**	33	26	14	36	12	21	8.1	24	9.8	32	16	57	9.8
Zinc, ppm	610	**1800**	190	46	280	51	150	49	160	43	310	93	640	60
VOCs, ppb	—	161	**551**	—	47	—	—	—	83.2	—	—	—	5.0	65
SVOCs, ppb	849	290	833	120	619	165	513	1201	670	270	1115	634	5036	**7828**
Pesticides, ppb	13.9	1.8	6.5	—	7.8	—	0.9	1.9	—	—	40	0.3	**93.3**	1.7
PCBs, ppb	**90**	—	15	—	76	—	34	—	7.5	—	38	8.4	51	—



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ST. LOUIS, MO 63141

Prepared By:

MAVERICK CONSTRUCTION MANAGEMENT SERVICES, INC.
15 CEDAR STREET
AUBURN, MA 01501
TEL: 508-721-2227

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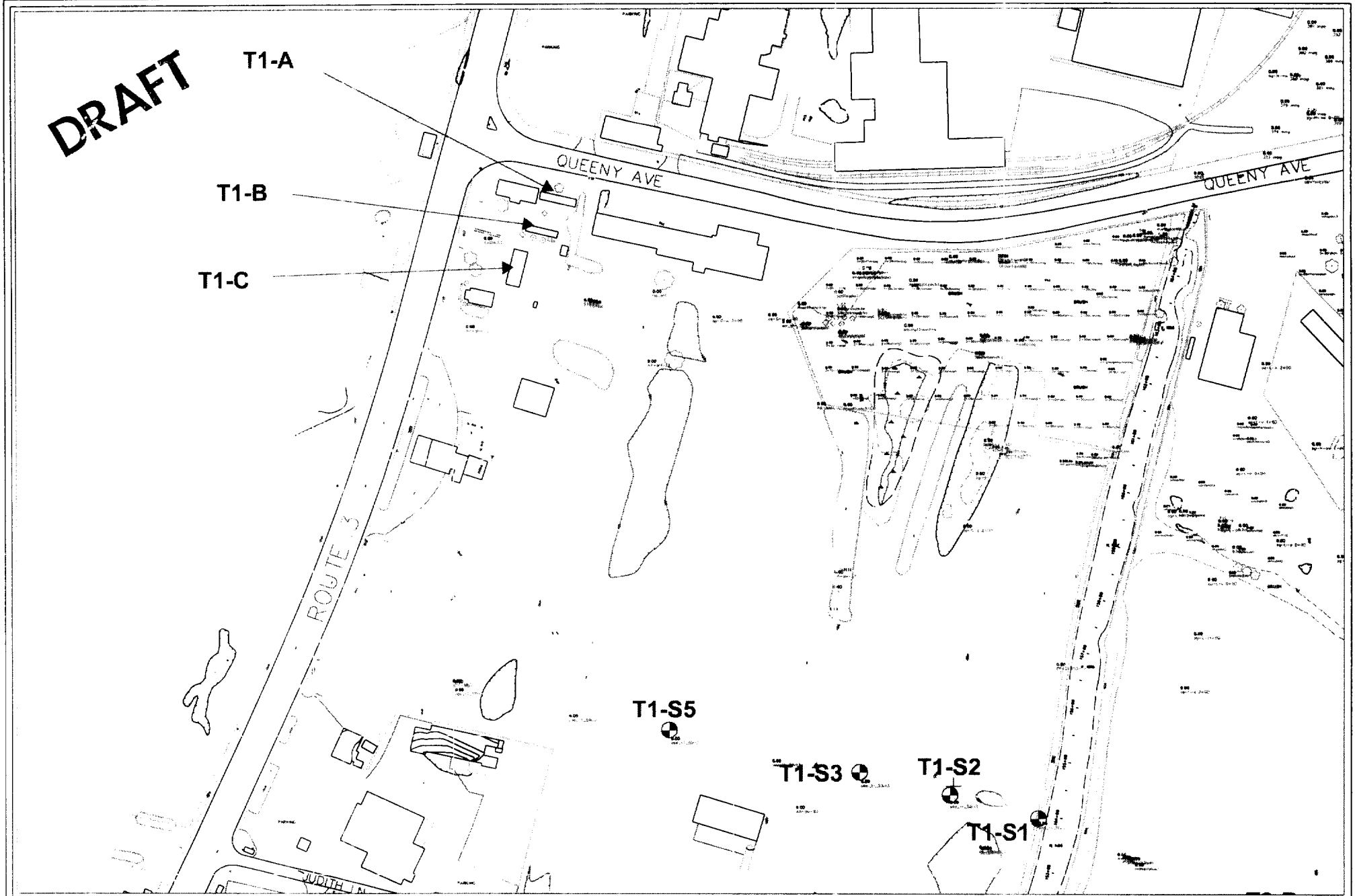

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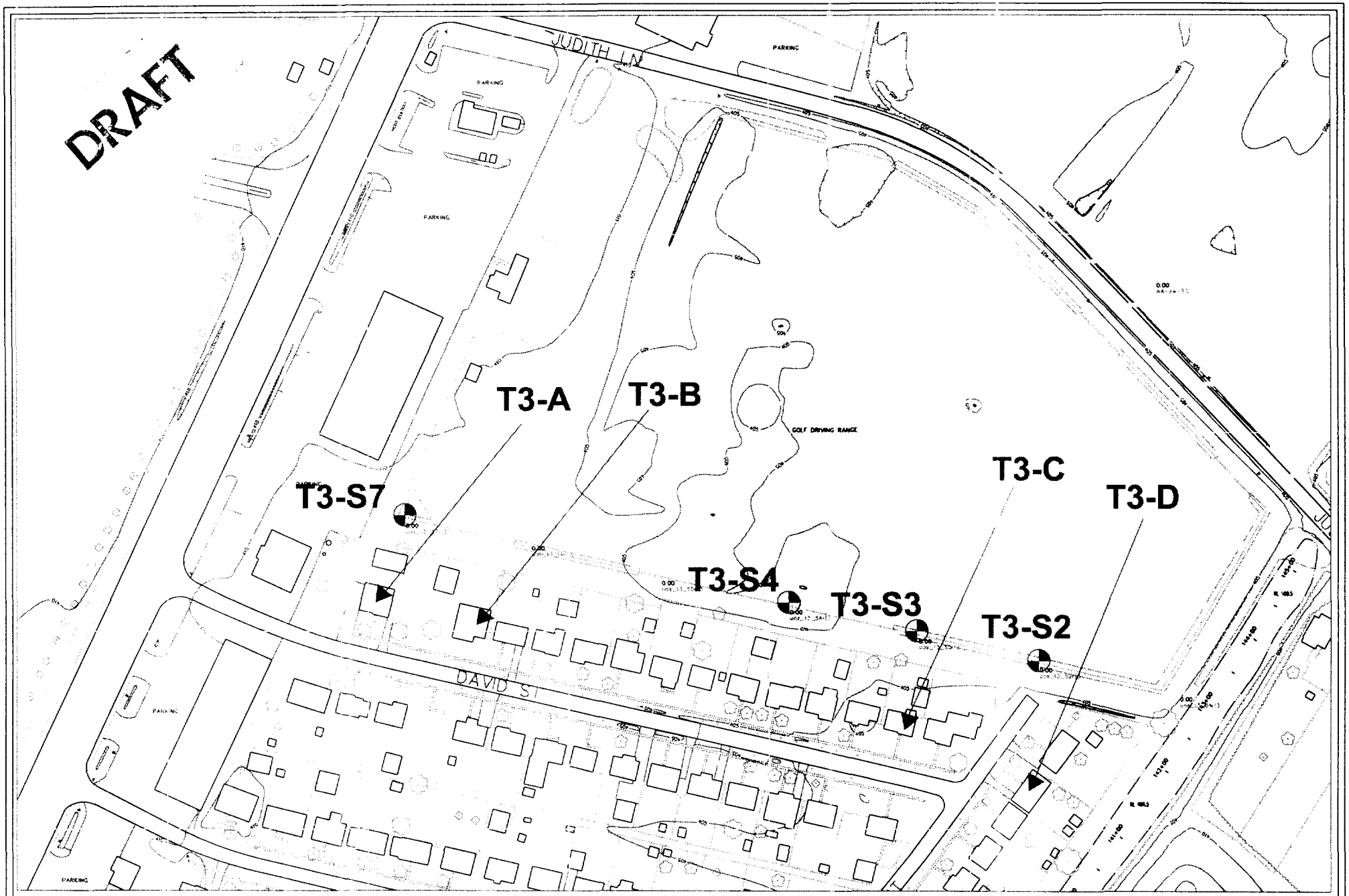

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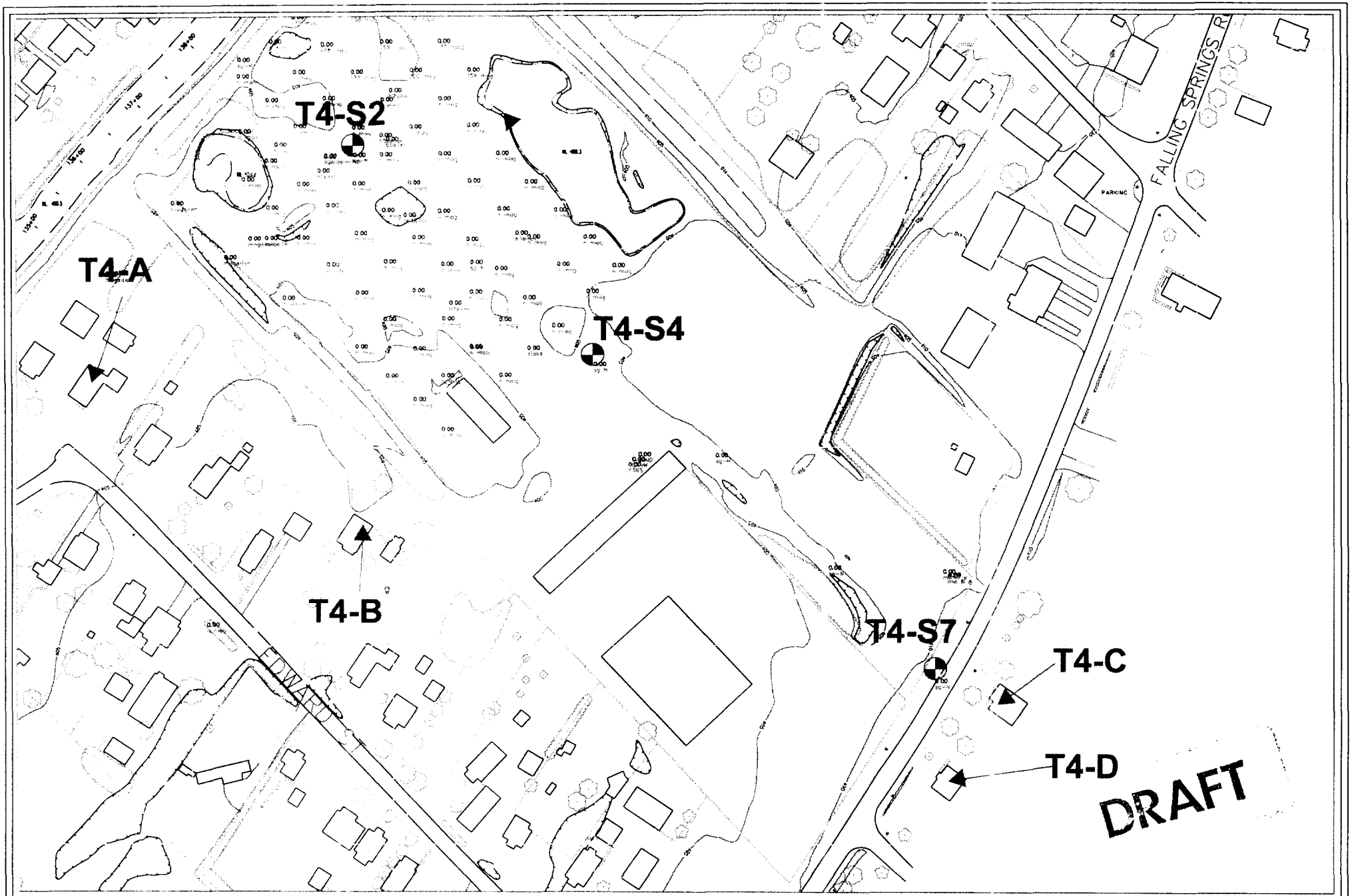

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TEL: 508-721-2227

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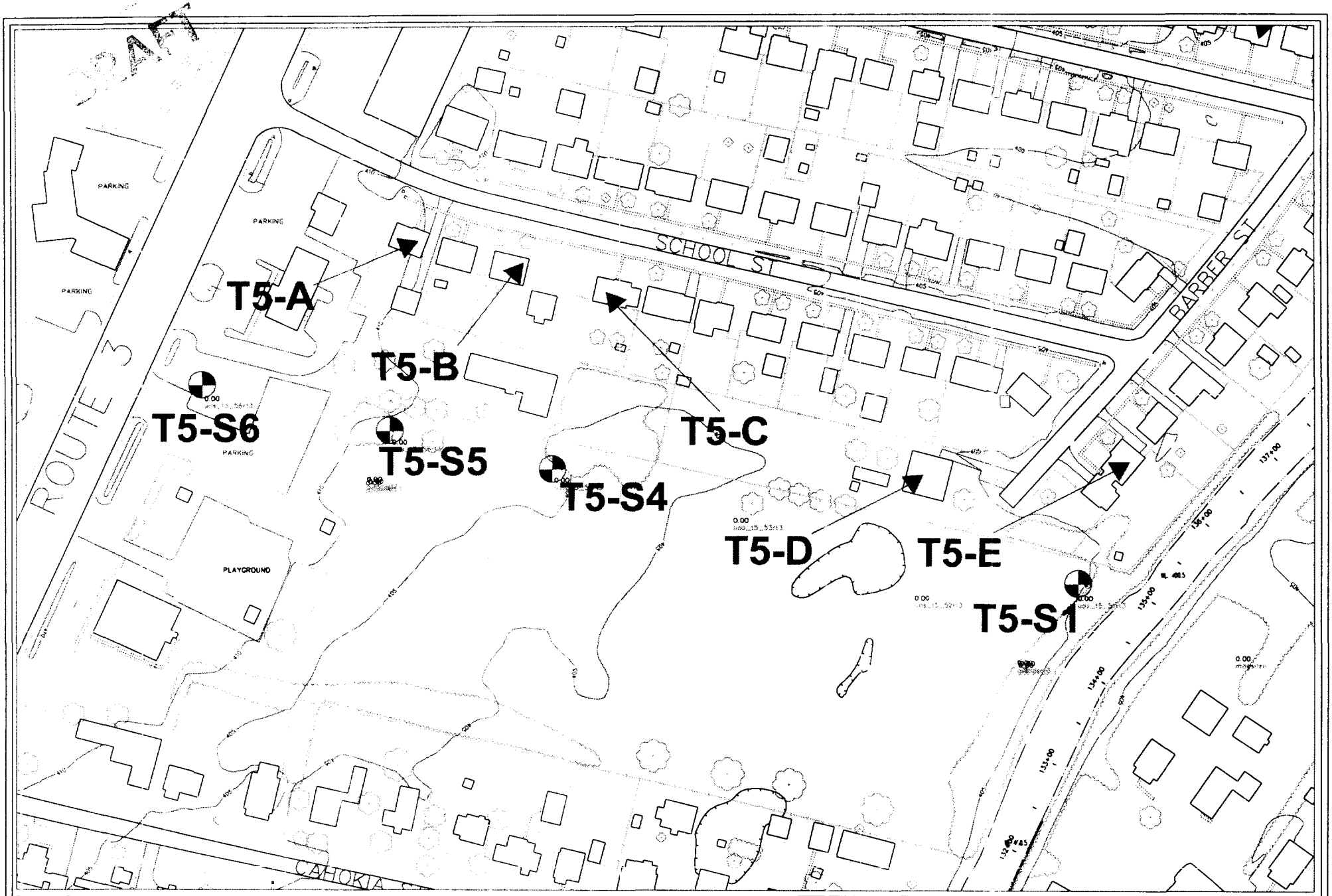

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AUBURN, MA 01501
TEL: 508-721-2227

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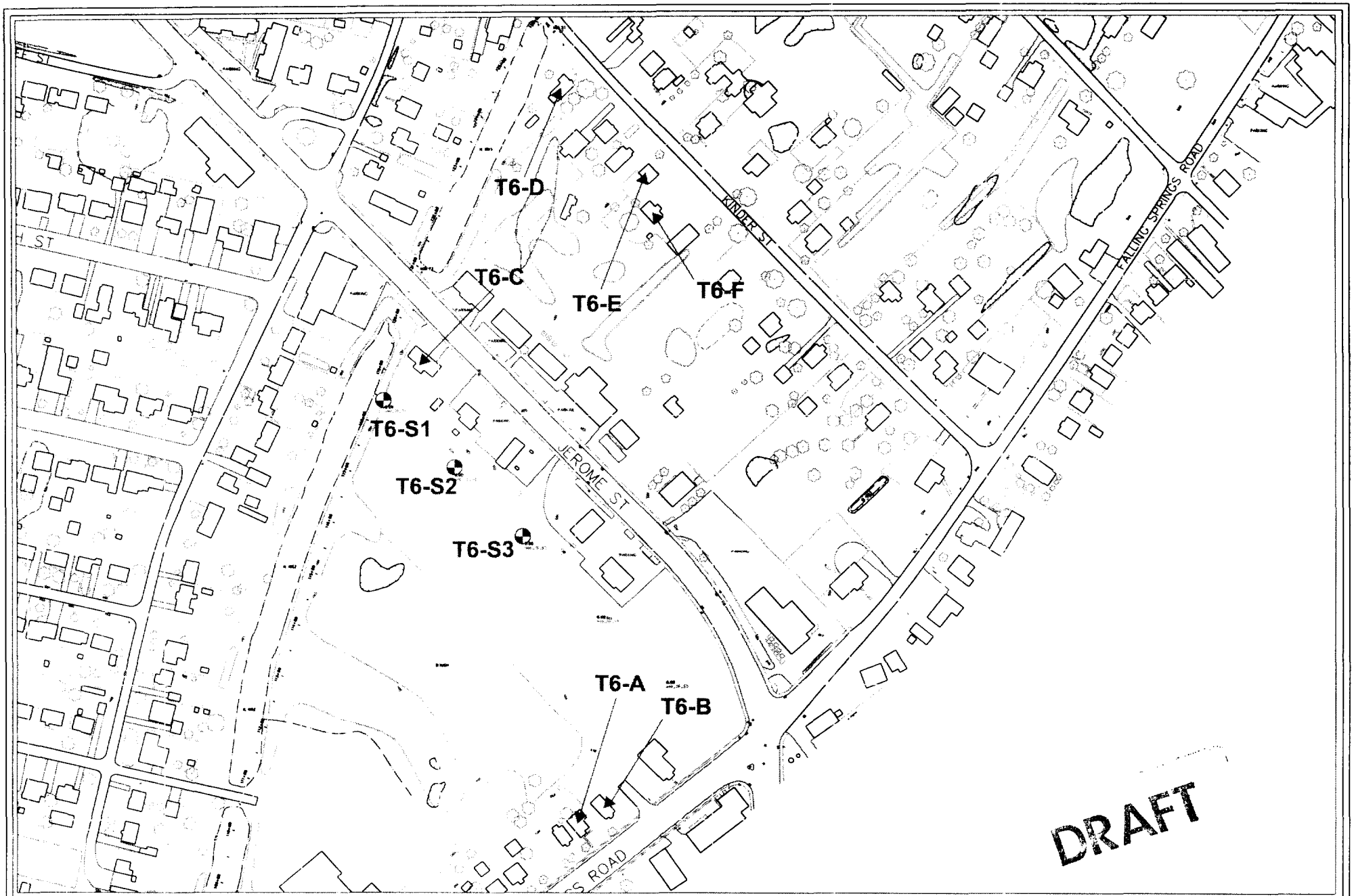

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575 MARYVILLE CENTRE DRIVE
ST. LOUIS, MO 63141

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AUBURN, MA 01501
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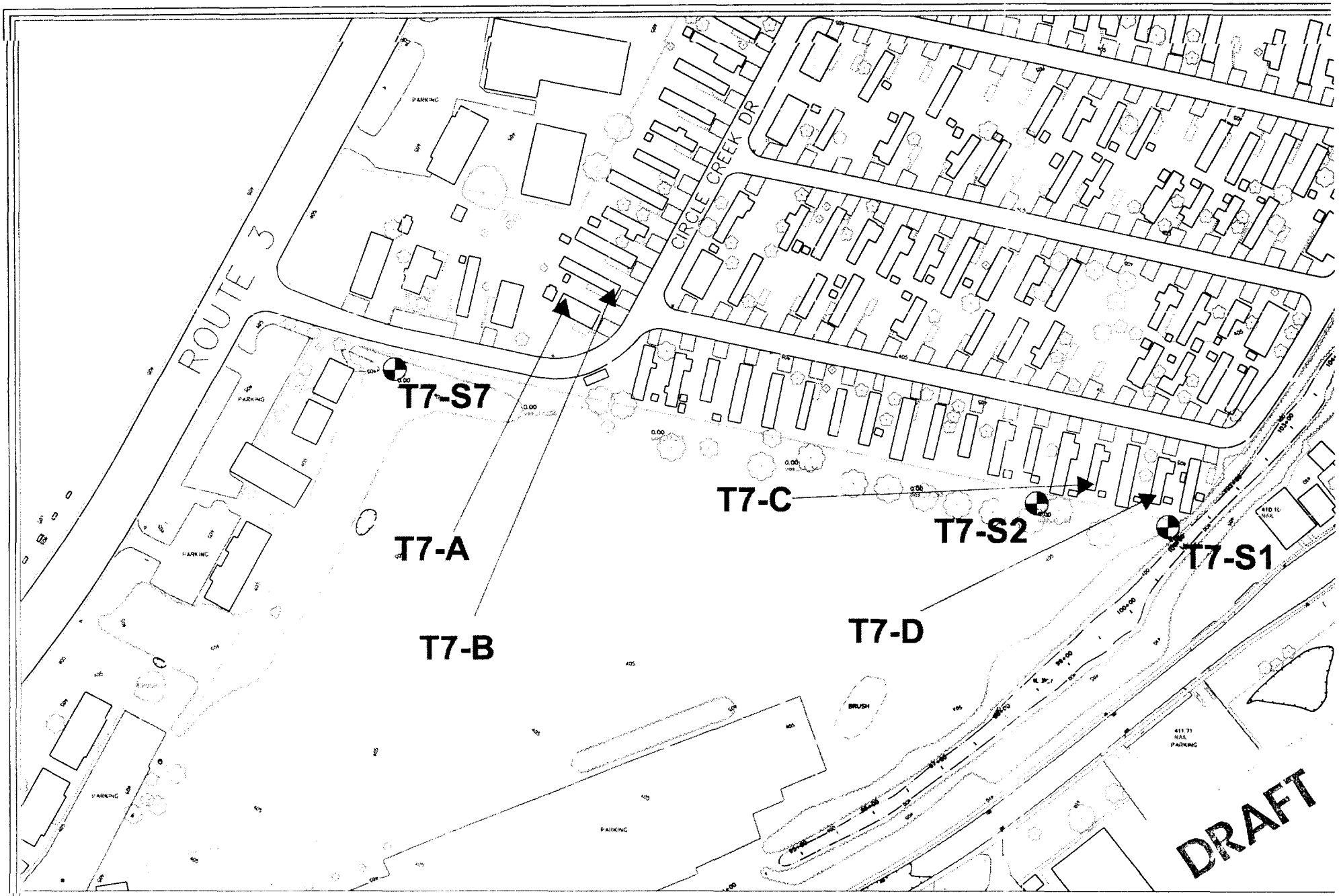

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